

FIG. 1

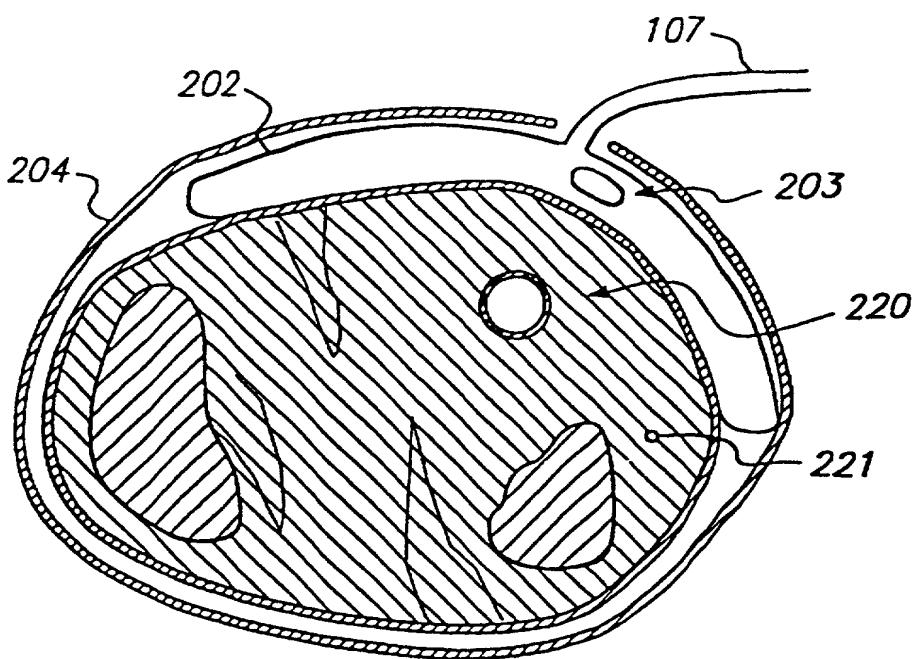


FIG. 2

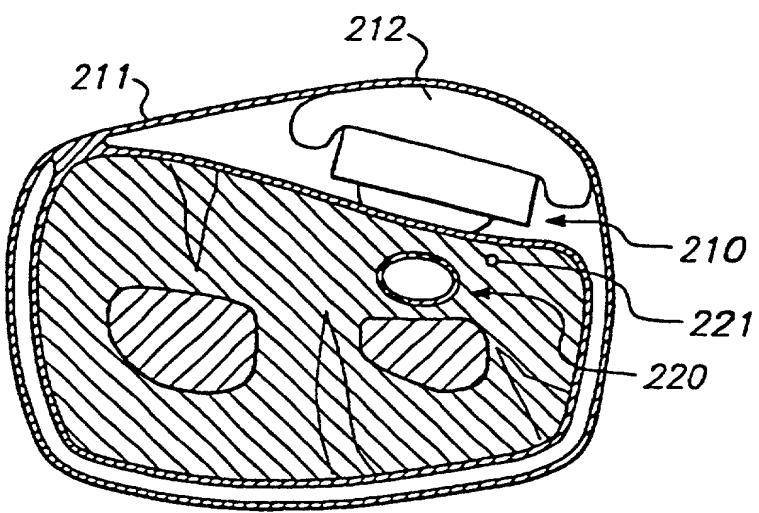


FIG. 3

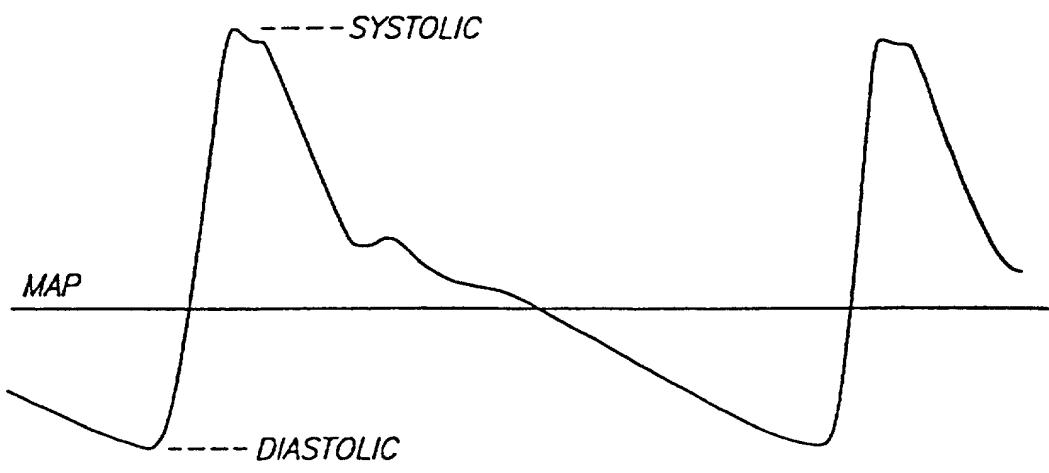


FIG. 4a

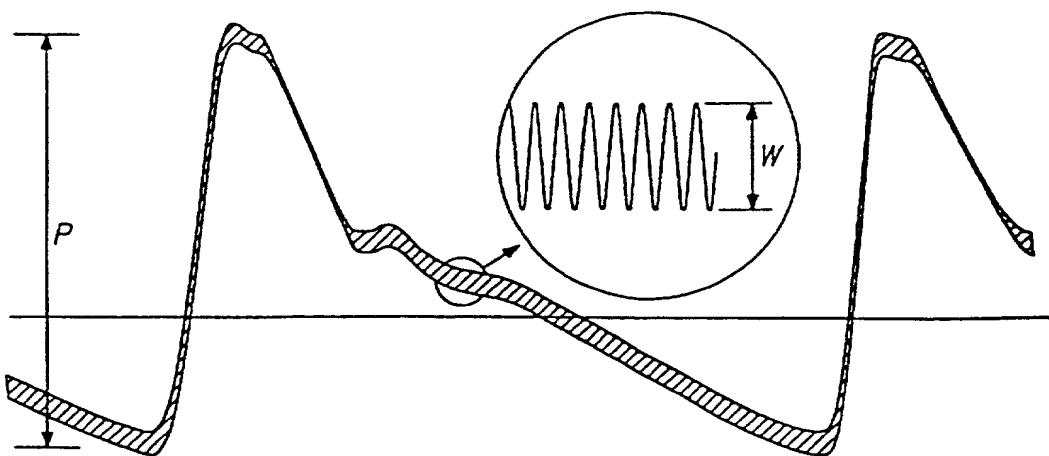


FIG. 4b

FIG. 5

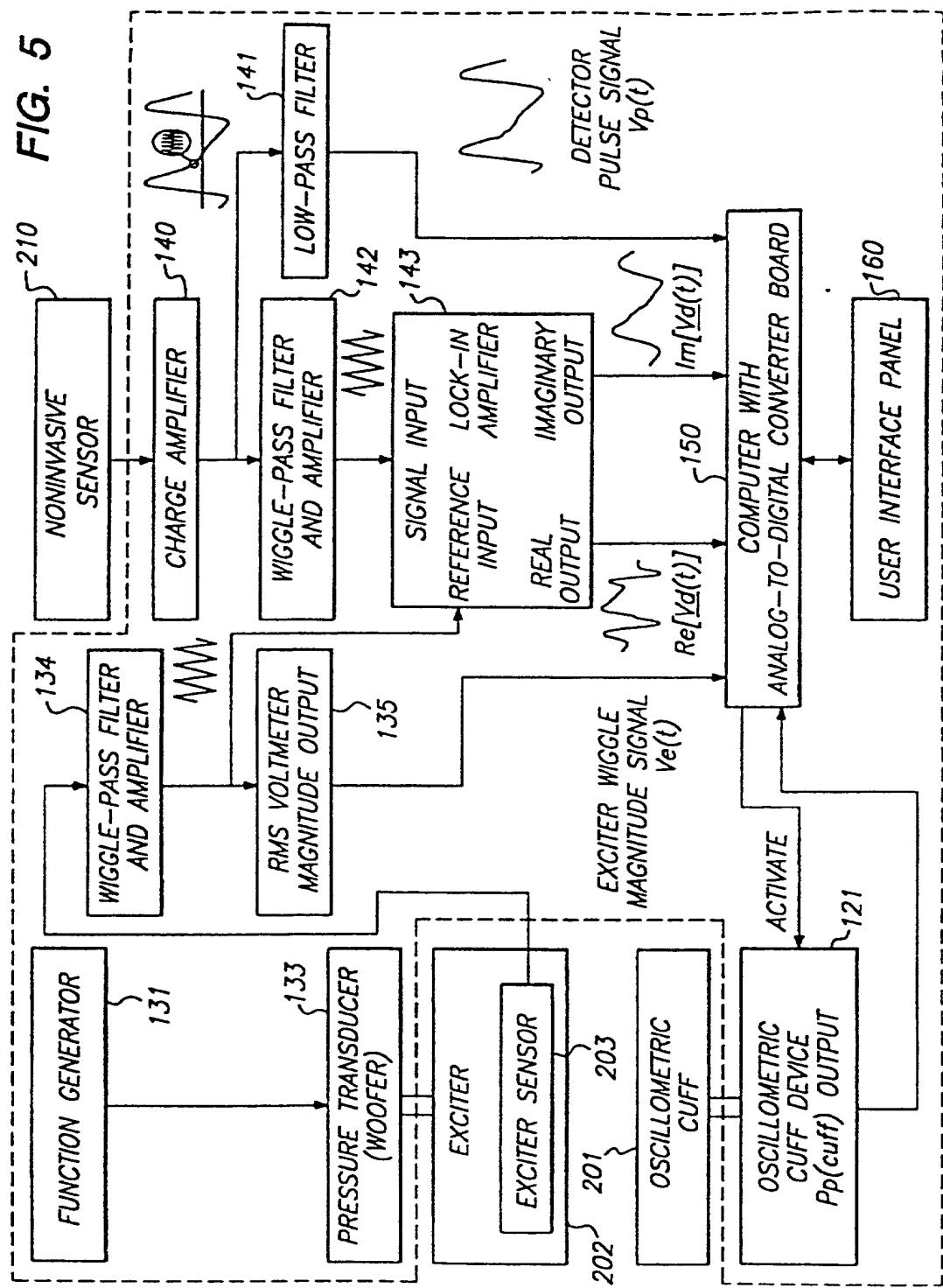


FIG. 6a

FIG. 6b

COMPUTER DATA PROCESSING AND CONTROL

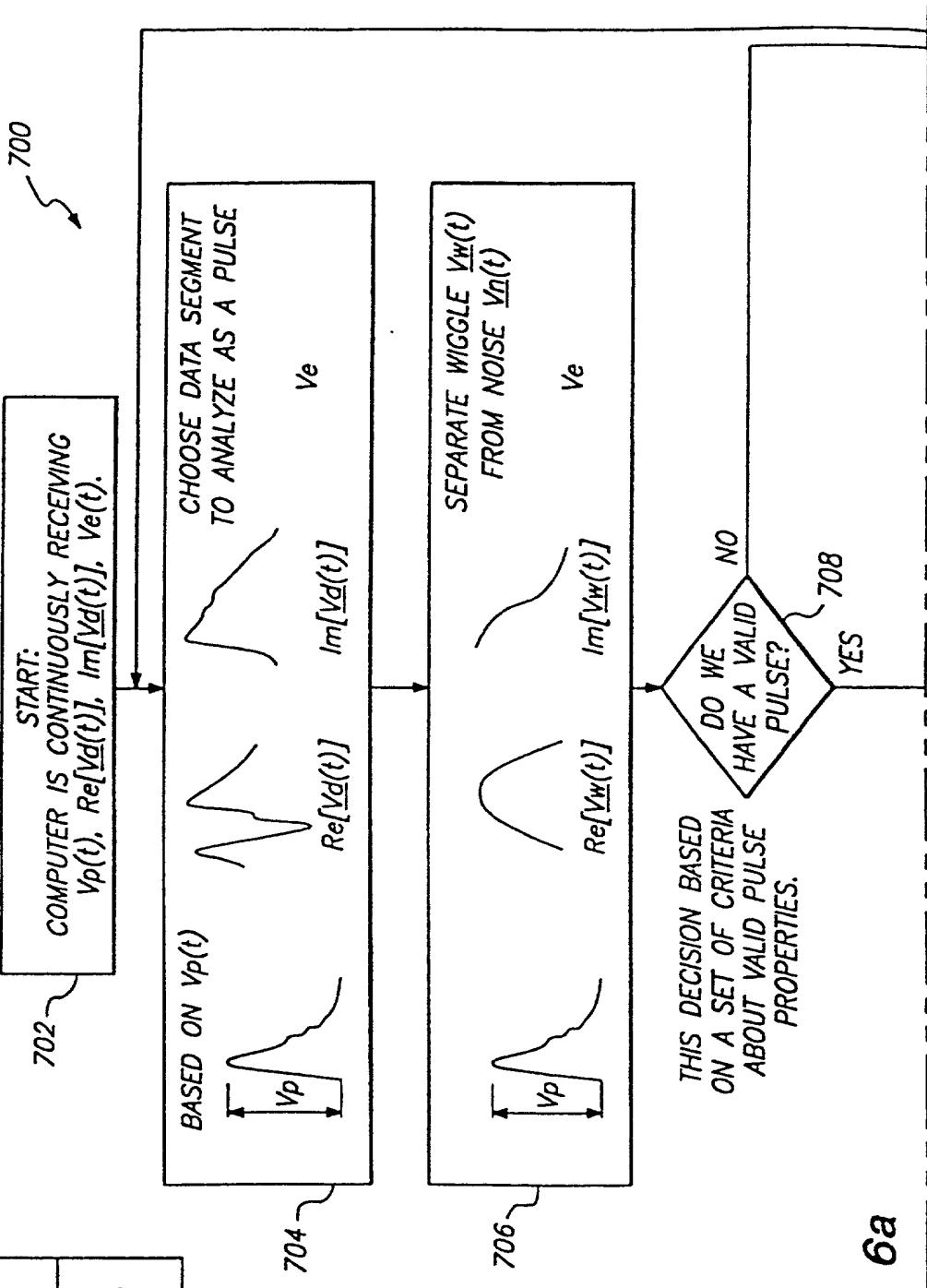


FIG. 6a

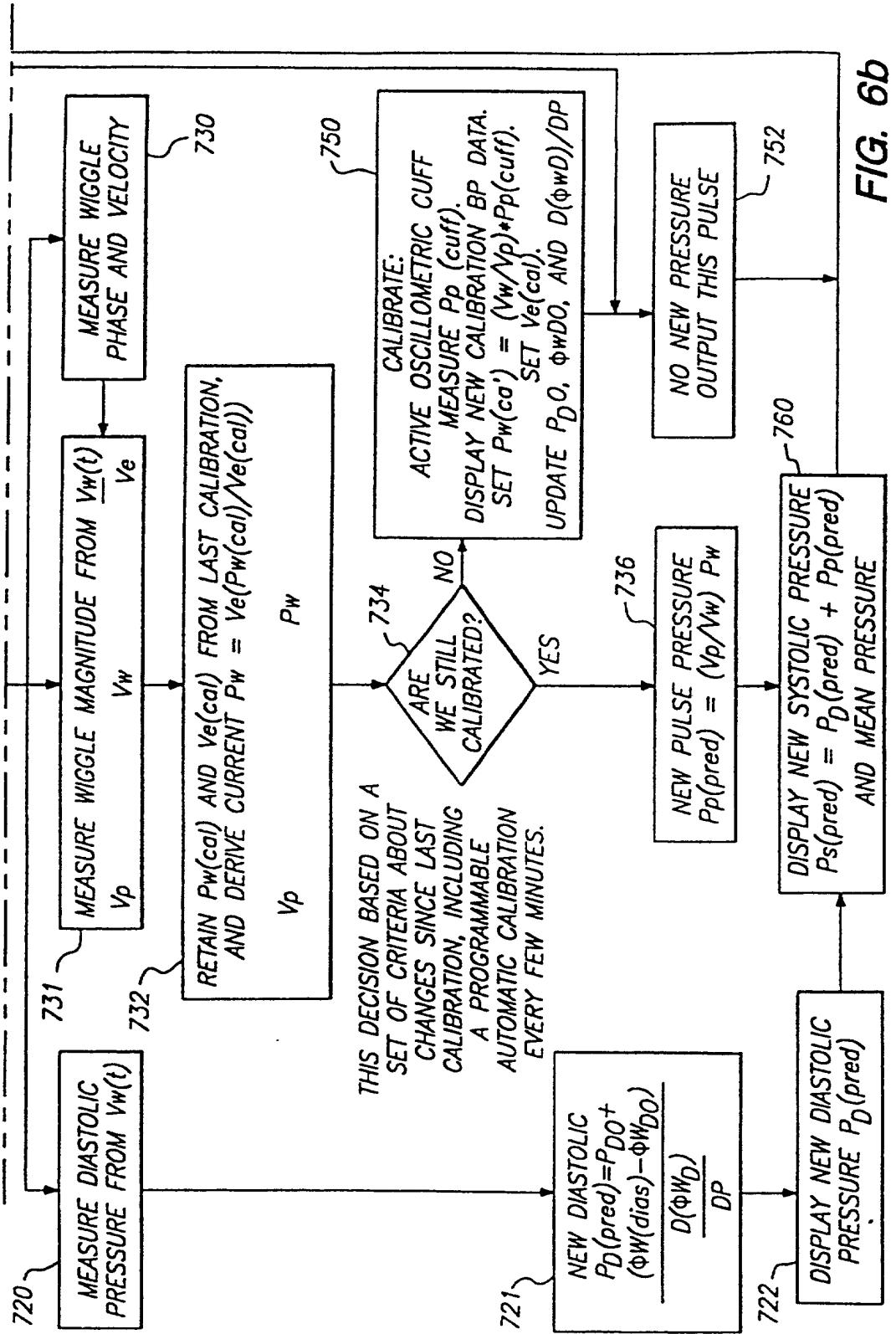


FIG. 6b

FIG. 7a

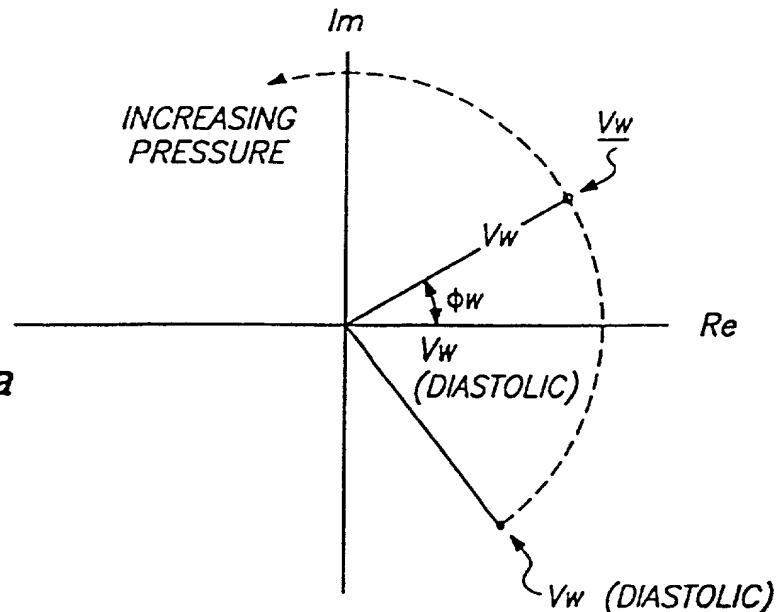


FIG. 7b

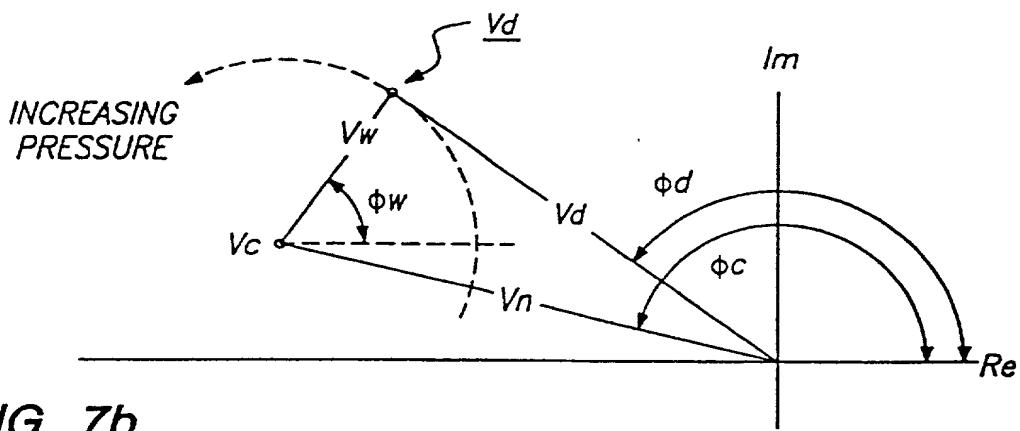
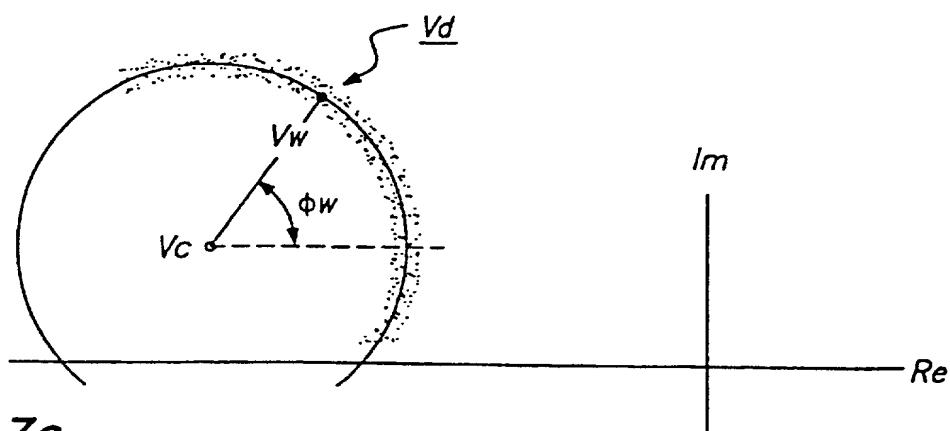


FIG. 7c



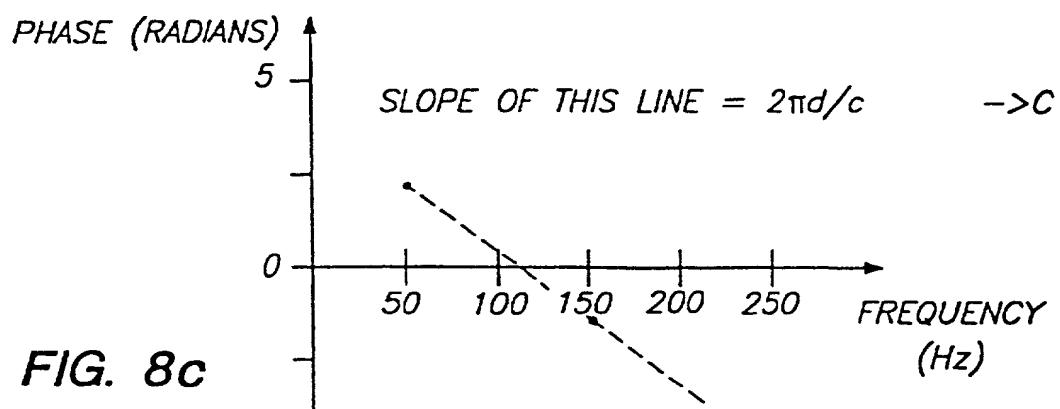
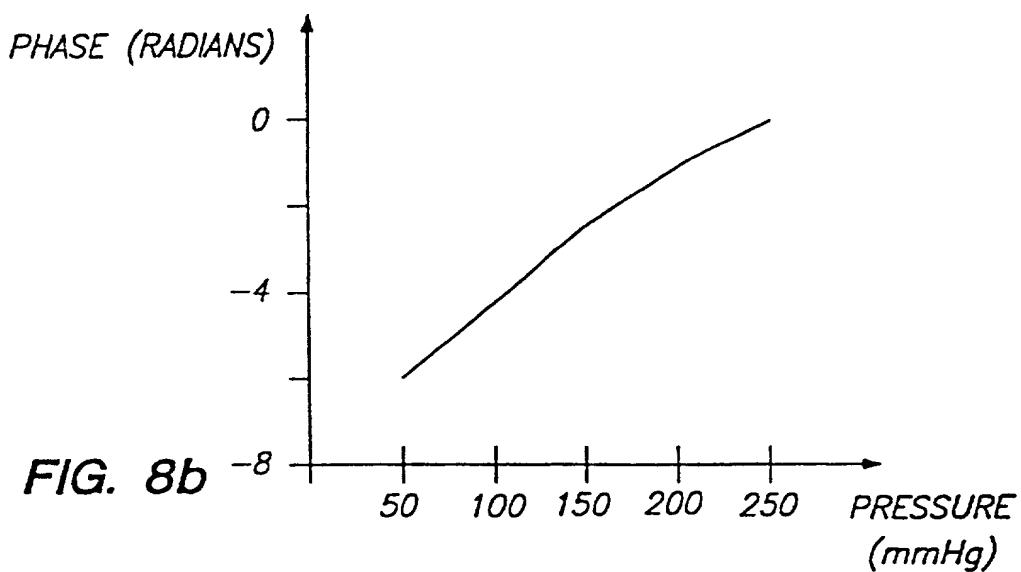
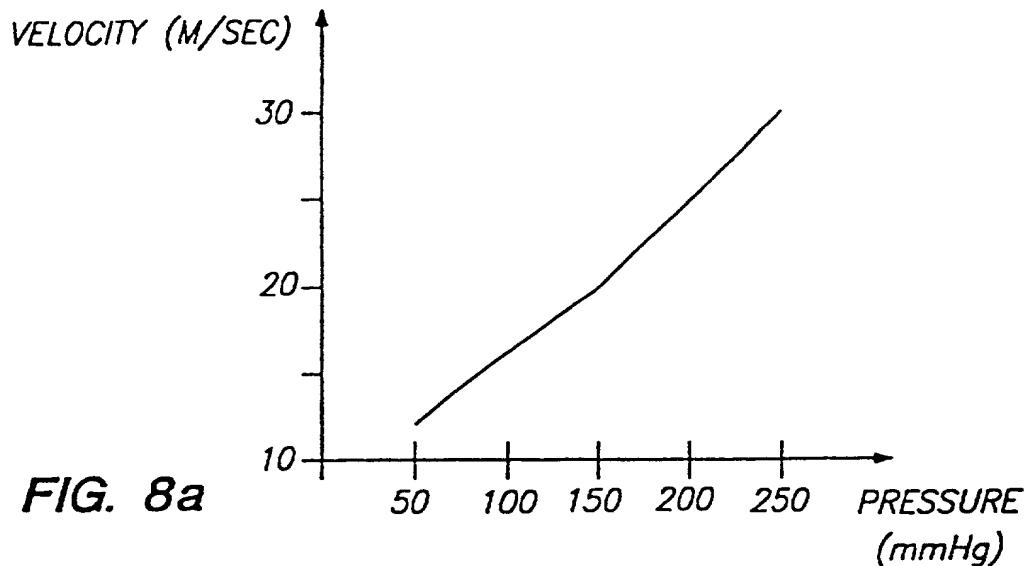
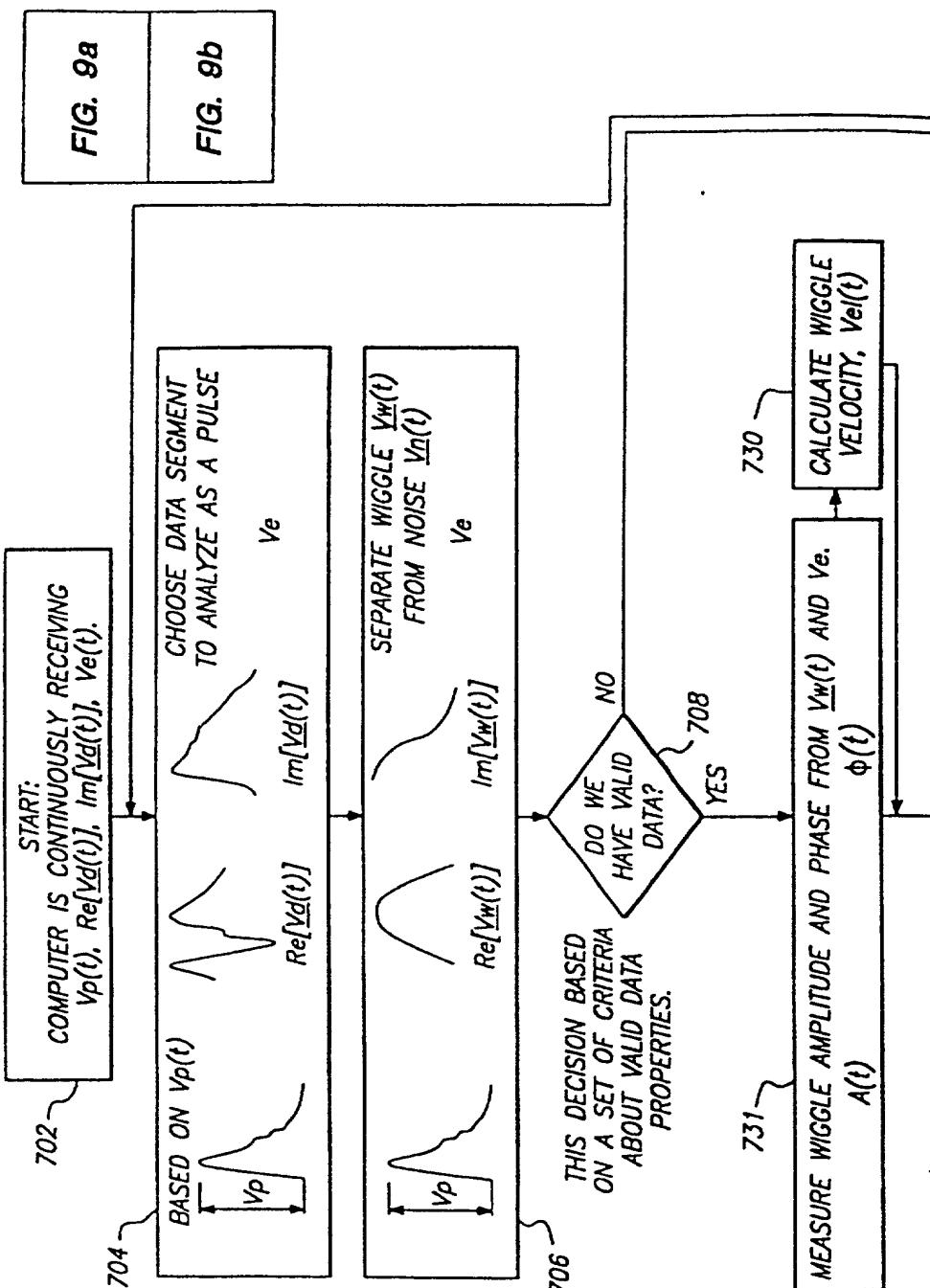


FIG. 9a

COMPUTER DATA PROCESSING AND CONTROL



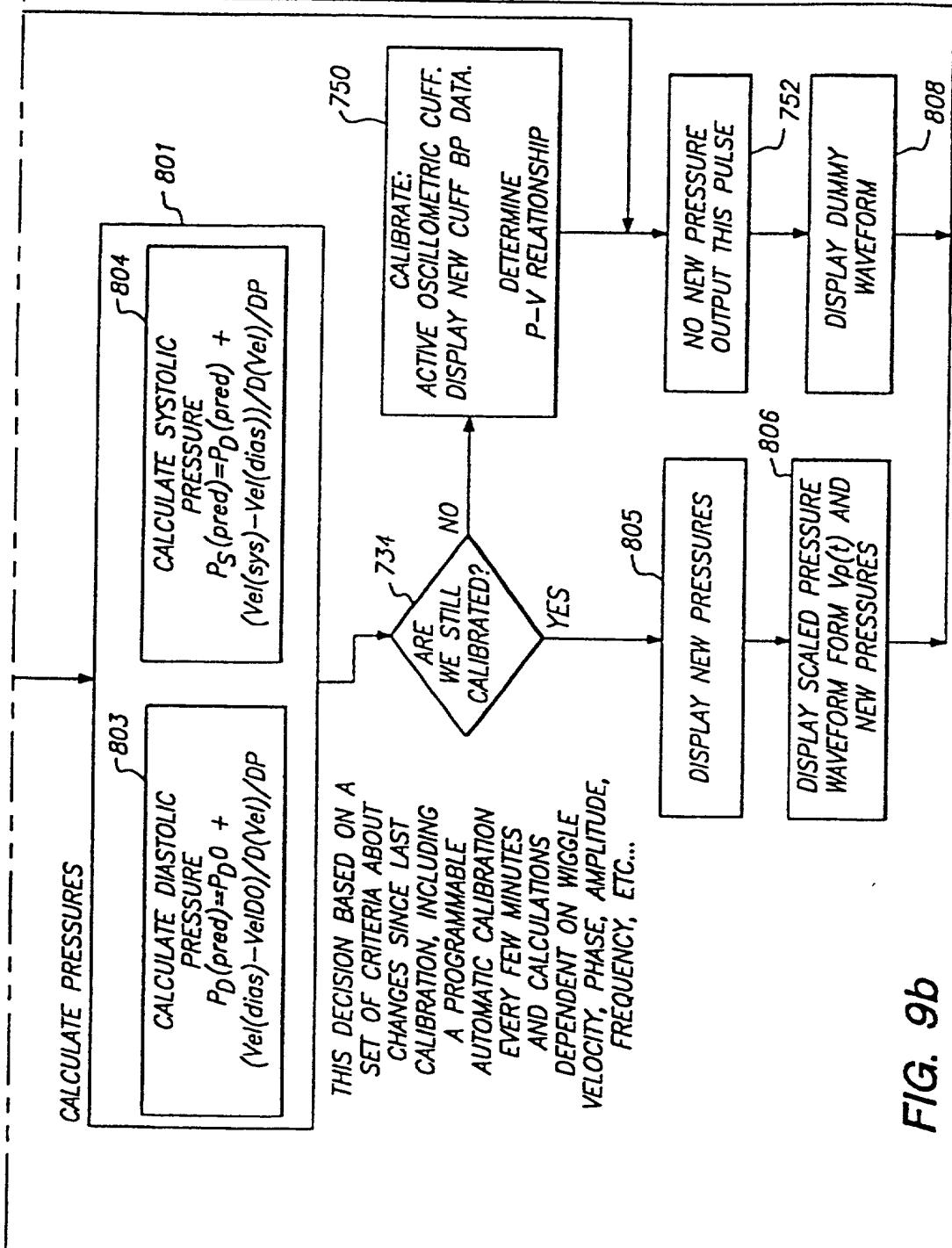
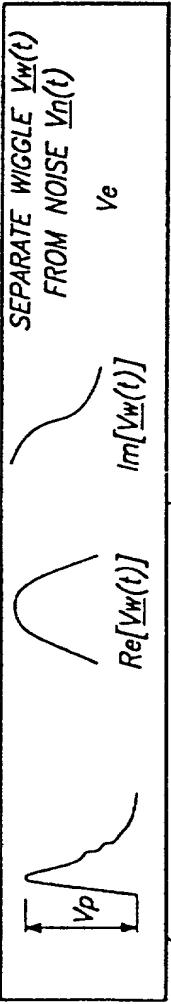


FIG. 9b

FIG. 10a COMPUTER DATA PROCESSING AND CONTROL

FIG. 10

702 START:
COMPUTER IS CONTINUOUSLY RECEIVING
 $V_p(t)$, $\text{Re}[\underline{V_d}(t)]$, $\text{Im}[\underline{V_d}(t)]$, $V_e(t)$.



THIS DECISION BASED
ON A SET OF CRITERIA
ABOUT VALID DATA
PROPERTIES.

DO WE
HAVE VALID
DATA?

NO
708

731
MEASURE WIGGLE AMPLITUDE AND PHASE FROM $V_w(t)$ AND V_e .
 $A(t)$

730
CALCULATE WIGGLE
VELOCITY, $V_e(t)$

FIG. 10b

FIG. 10

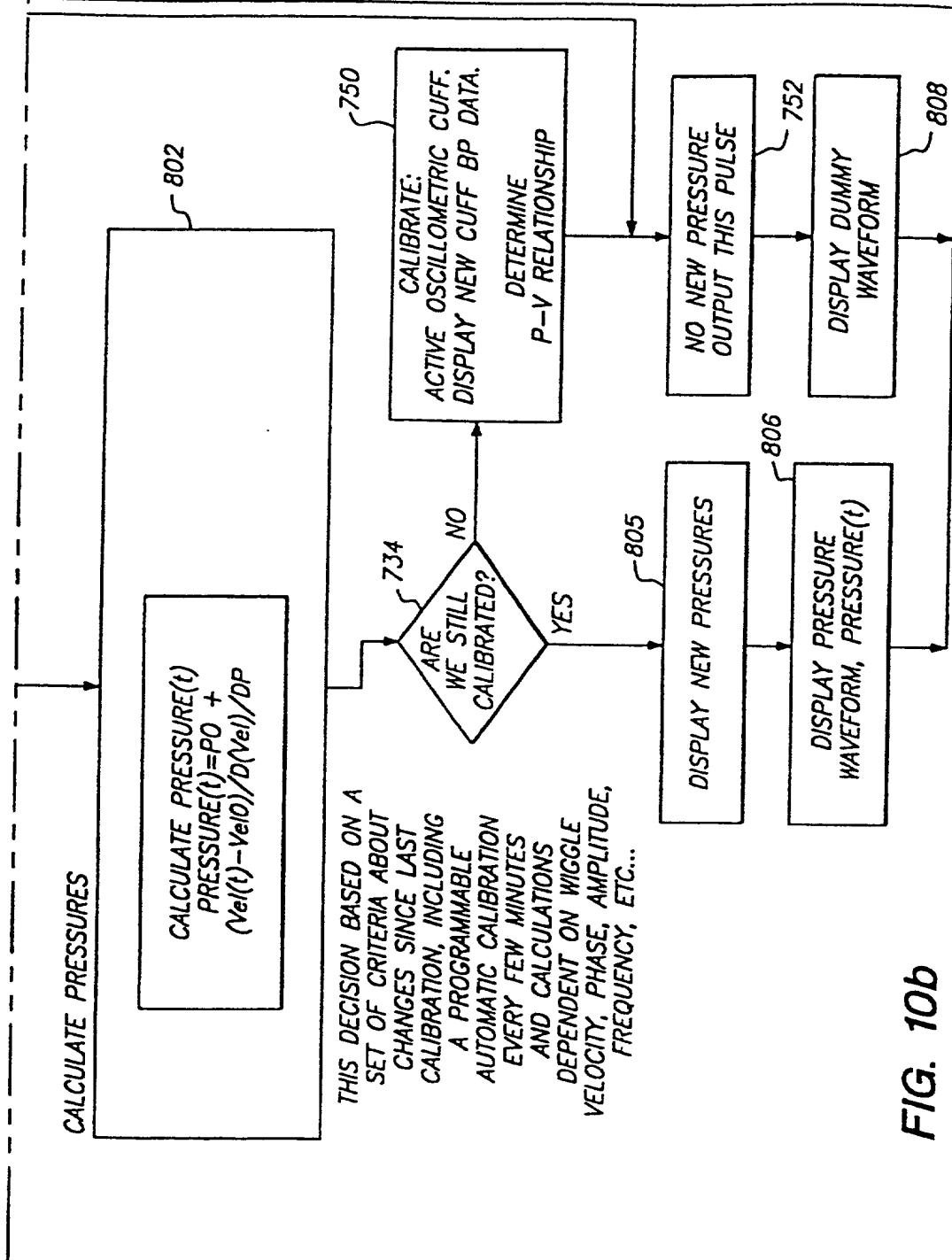


FIG. 10b

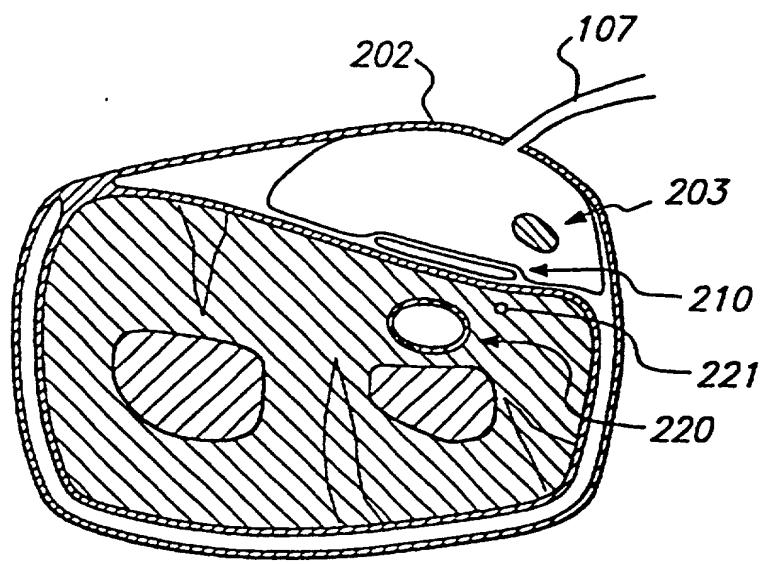


FIG. 11

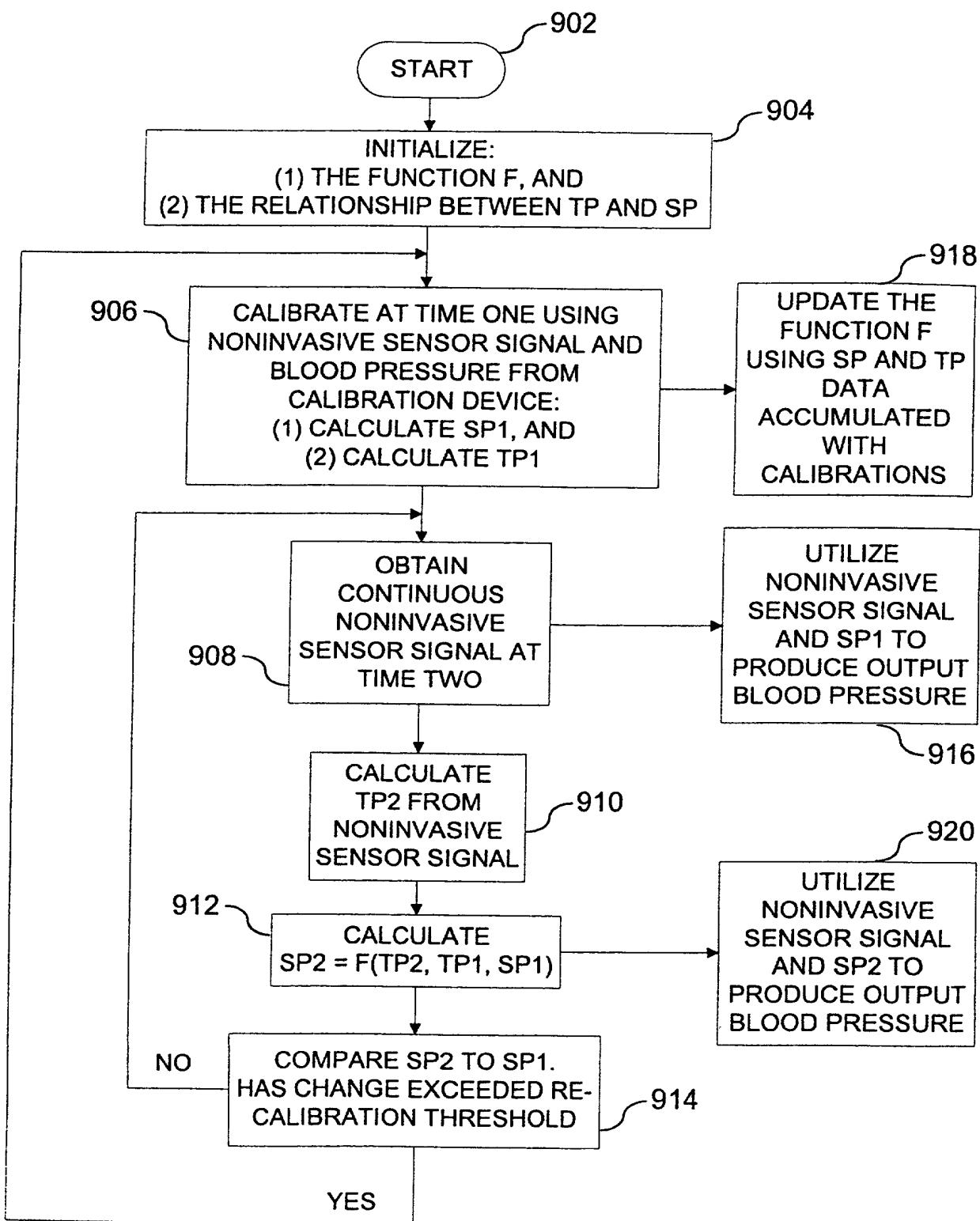


FIG. 12